STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
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* M E M O R A N D U M *

TO: File
FROM: Richard B. Hall, P. E., Directing Engineer
SUBJECT: Field Review of the Upper San Pitch River Distribution System
DATE: September 24, 1984

A field review of the subject system was undertaken on September 18, 1984 with the following in attendance:

Perry Jensen
M. Stanley Adams
Kirk Forbush
Jerry L. Bronicel
Richard B. Hall

The following items were observed and/or discussed:

1) Rock Dam (Upper) - No measuring device in the canal; however, there are two stilling wells behind the gate, which could be calibrated.

2) Rock Dam (Lower) - No measuring device in the canal; the downstream gradient of the canal is very flat and a differential head scheme may be appropriate.

3) Bagnall Ditch - No measuring device.

4) West Point Ditch - No measuring device.

5) Moroni Canal - The Parshall Flume is located some 0.5 miles downstream of the point of diversion and is badly submerged due to sanding of a culvert below the flume.

6) Moroni Canal (City Ditch) - No measuring device.

7) Franson McArthur Ditch - Has a Parshall Flume with some submergence.

8) M & M Ditch (Not Observed) - Commissioner said diversion structure and measuring device were satisfactory.

9) Grady, Brady, & Mower Ditchers (Not observed) - Reported to have adequate diversions and measuring devices.

10) East Milburn Ditch - Rectangular Weir.

11) Meadow Ditch - Rectangular Weir.

12) West Milburn Ditch (Not Observed) - The Parshall Flume needs to be reset.

The lower ditches on this system need measuring devices badly; however, we need to find out the gradients of the ditches to see if a Parshall Flume would work. If not, we should explore the "differential head" scheme of the diversion gates.

cc: Jerry L. Bronicel